

thrombi.

8. (Amended) A method of producing transgenic medaka fish having one or more thrombi, comprising raising the transgenic medaka fish of claim 6 in the presence of estrogen.

9. (Amended) A method of producing transgenic medaka fish having one or more thrombi, comprising raising the transgenic medaka fish of claim 7 in the presence of estrogen.

10. (Amended) A transgenic medaka fish having one or more thrombi, which is obtained by raising the transgenic medaka fish of claim 6 in the presence of estrogen.

11. (Amended) A transgenic medaka fish having one or more thrombi, which is obtained by raising the transgenic medaka fish of claim 7 in the presence of estrogen.

12. (Amended) A method of testing an estrogen-like activity in test water, comprising:

raising the transgenic medaka fish of claim 6 in test water; and

observing whether or not one or more thrombi are formed in the medaka fish after said raising.

13. (Amended) A method of testing an estrogen-like activity in test water, comprising:

raising the transgenic medaka fish of claim 7 in test water; and

observing whether or not one or more thrombi are formed in the medaka fish after said raising.

14. (Amended) The method according to claim 12, wherein the test water is water taken from the environment.

15. (Amended) The method according to claim 13, wherein the test water is water taken from the environment.

Please add the following new claims: —

18. (New) A transgenic medaka fish comprising a polynucleotide having a nucleotide sequence corresponding to nucleotides 211 to 1935 of SEQ ID No: 1, wherein one or more nucleotides are added, deleted, or mutated and the enzyme encoded thereby has estrogen receptor activity, and

wherein said polynucleotide is operably linked to a promoter sequence, which is capable of expressing sufficient amounts of a protein encoded by said polynucleotide to produce one or more thrombi.

19. (New) A method of producing transgenic medaka fish having one or more thrombi, comprising raising the transgenic medaka fish of claim 18 in the presence of estrogen.

20. (New) A transgenic medaka fish having one or more thrombi, which is obtained by raising the transgenic medaka fish of claim 18 in the presence of estrogen.

21. (New) A method of testing an estrogen-like activity in test water, comprising:
raising the transgenic medaka fish of claim 18 in test water; and
observing whether or not one or more thrombi are formed in the medaka fish after said raising.

22. (New) The method according to claim 21, wherein the test water is water taken from the environment.

23. (New) The method according to claim 21, wherein the test water is water having a test substance added.

24. (New) A transgenic medaka fish comprising a polynucleotide encoding an amino acid sequence of SEQ ID No: 2, wherein said polynucleotide contains a promoter sequence, which is capable of expressing sufficient amounts of a protein encoded by said polynucleotide to produce one or more thrombi.

25. (New) A method of producing transgenic medaka fish having one or more thrombi, comprising raising the transgenic medaka fish of claim 24 in the presence of estrogen.

26. (New) A transgenic medaka fish having one or more thrombi, which is obtained by raising the transgenic medaka fish of claim 24 in the presence of estrogen.

27. (New) A method of testing an estrogen-like activity in test water, comprising:
raising the transgenic medaka fish of claim 24 in test water; and
observing whether or not one or more thrombi are formed in the medaka fish after said raising.

28. (New) The method according to claim 27, wherein the test water is water taken from the environment.

29. (New) The method according to claim 27, wherein the test water is water having a test substance added.

BASIS FOR THE AMENDMENT

Claims 6-15 have been amended.

Claims 18-29 have been added.

The amendment of Claims 6-15 and new Claims 18-29 are supported by Claims 1-17 as originally filed, as well as the specification at pages 2-25.

No new matter is believed to have been entered by the present amendment.